

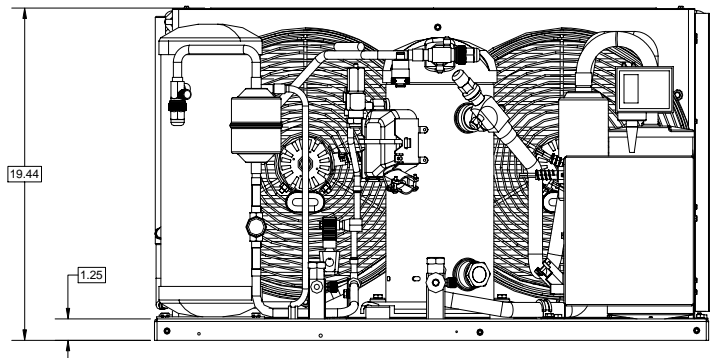
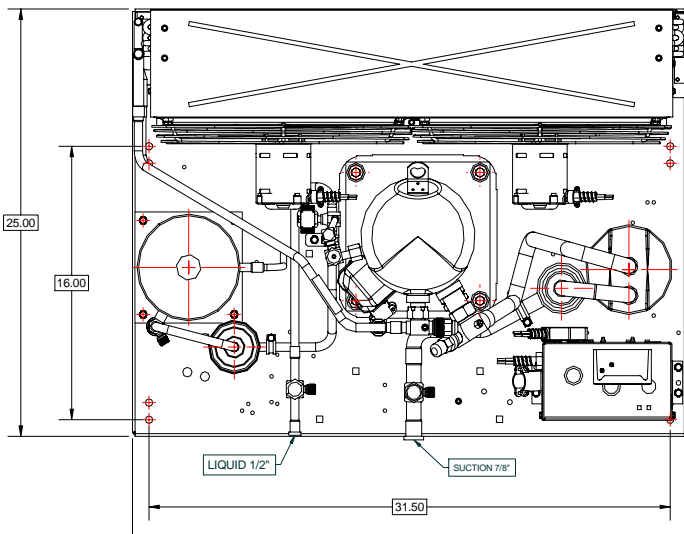
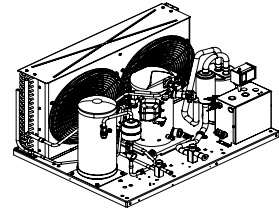


TECUMSEH HERMETIC CONDENSING UNIT

VSAG511ZXTXM
TPC preliminary
October 14, 2011

Model VSAG511ZXTXM
BOM 32T2642-2

Air Cooled 2 3/4 HP
Application Low Temp
Refrigerant R404A



VSAG511ZXTXM	Dimensions (inch)*			Line connections		Pumpdown	Air flow	Oil Ch.	Gross weight
	L	W	H	Suction	Liquid	90% @ 90°F	SCFM	Oz	Lbs.
	25.00	33.50	19.44	7/8 Sweat	1/2 Sweat	20.44	1525	55	200

*) Mounting Holes, 16.00 x 31.50

Factory charge 20 psig dry air, **MUST BE EVACUATED**

Evaporator		Ambient Temperatures															
		80°F				90°F				100°F				110°F			
T, °F	PSIG	BTUH	Watts	Head	Cond T	BTUH	Watts	Head	Cond T	BTUH	Watts	Head	Cond T	BTUH	Watts	Head	Cond T
-40	5.5	5000	1990	197	88	4700	2140	230	98	4600	2300	264	108	4200	2490	301	118
-35	8.0	5900	2070	201	89	5400	2220	233	99	5300	2380	267	109	4800	2570	304	118
-30	10.7	6800	2140	205	90	6200	2290	237	100	6000	2460	271	110	5400	2650	308	119
-25	14.0	7800	2210	208	92	7100	2370	241	101	6700	2540	274	111	6100	2730	311	120
-20	17.1	8900	2290	213	93	8000	2440	245	103	7600	2620	278	112	6800	2810	315	121
-15	19.3	10000	2360	217	94	9000	2520	249	104	8500	2700	282	113	7600	2890	319	122
-10	24.5	11100	2430	221	96	10100	2600	254	105	9400	2780	287	114	8500	2970	323	123
-5	28.8	12400	2510	226	97	11200	2680	259	107	10500	2860	292	115	9500	3060	328	124
0	33.5	13600	2600	232	99	12400	2770	264	108	11500	2950	298	117	10500	3160	334	125
5	36.5	15000	2680	238	101	13600	2860	271	110	12700	3050	304	118	11600	3260	340	127
10	43.7	16400	2780	245	103	14900	2960	277	112	13900	3160	311	120	12700	3360	347	128

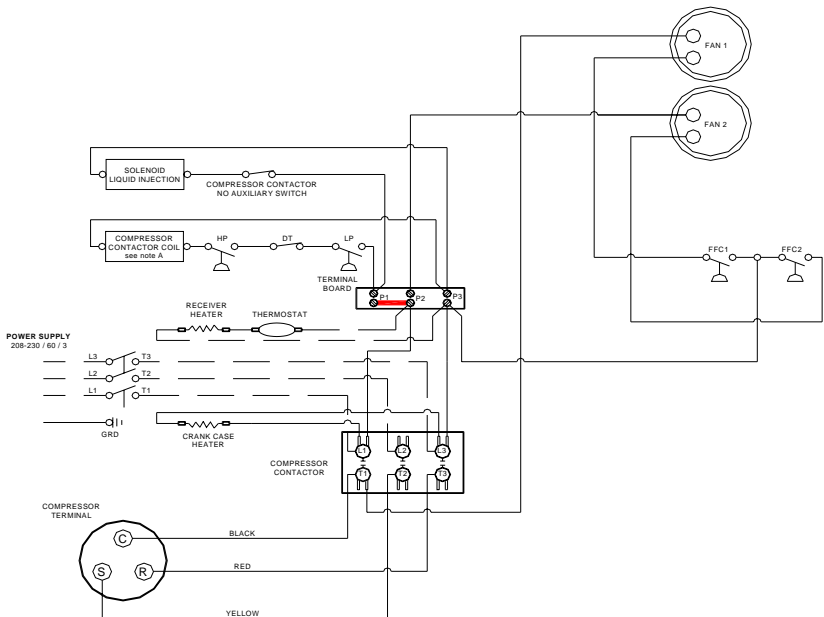
Performance @ 60 Hz, Return gas 40°F, SubCooling 5°F

PRELIMINARY PERFORMANCE DATA

Parts/Specifications			
Unit BOM	32T2642-2	Fan Motor	810F050C20
Unit MODEL	VSAG511ZXTXM	Fan Motor Qty	2
		Fan Motor RLA	0.7
Refrigeration RANGE	-40°F to 10°F	Fan Blade	51568-1
Design Pressure Low	181	Fan Guard	70831
Design Pressure High	450	Shroud	70648-2
Volts - HZ - Ph	200-230V 3~ 60HZ		
Voltage Range	180 - 253	High Pressure switch	84095-2
Min. Circuit Ampacity	13.90	Low Pressure Control	84026-2
Max. Fuse Size	25	Dual Pressure Control	
Compressor MODEL	VSAG494ZXT	Condenser	50858
Compressor BOM	VS121RT-008-A4	Head Master Valve	
Compressor LRA	80	Check Valve	
Compressor RLA	10.00	Process Valve	
		Liquid Valve	
OverLoad	INTERNAL	Suction Valve	31529-2
Relay			
Run Capacitor		Receiver	51099-2L
Run Capacitor Rating		Receiver Qty	1
Start Capacitor		Accumulator	TK00042000
Start Capacitor Rating		Liquid Filter	52000-084D
Contactor	91014B	Sight Glass	70084-2
		Suction Filter	70822-5S
Unit Drawing	DGU1950-12	CrankCase Heater	
Wiring Diagram	WD23-2FL		

IMPORTANT:

COMPRESSOR EQUIPPED WITH AN INTERNAL OVERLOAD PROTECTOR. ALLOW TIME FOR RESET.
USE COPPER CONDUCTORS ONLY.
(EMPLOYER DES CONDUCTEURS DE CUIVRE SEULEMENT.)



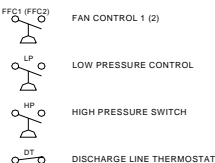
NOTES

FIELD WIRING NOTES

- ALL FIELD WIRING MUST BE DONE IN COMPLIANCE WITH ALL APPLICABLE LOCAL AND NATIONAL CODES.
- CONNECT INCOMING POWER LEADS FROM POWER SUPPLY TO L1, L2 AND L3 IN COMPRESSOR CONTACTOR OR TO L1, L2 AND L3 IN DISCONNECT SWITCH (IF PROVIDED). USE COPPER CONDUCTORS ONLY. (EMPLOYER DES CONDUCTEURS DE CUIVRE SEULEMENT.) PROVIDE EQUIPMENT GROUNDING CONDUCTOR. USE 75°C (MIN.) WIRING.
- IF REQUIRED INSTALL SYSTEM REMOTE CONTROL BETWEEN P1 AND P2 IN TERMINAL BLOCK AND REMOVE THE JUMPER

GENERAL NOTES:

- A. CONTACTOR COIL CIRCUIT IS FACTORY CONNECTED TO 230 V SOURCE IN PANEL AS SHOWN
B. COMPRESSOR EQUIPPED WITH AN INTERNAL OVERLOAD PROTECTOR. ALLOW TIME FOR RESET.



- FACTORY COMPONENTS
- - - - - OPTIONAL FACTORY COMPONENTS
————— OPTIONAL FIELD COMPONENTS

CONDENSING UNIT WIRING, 230V 60Hz 3 Ph, Liquid Injection Solenoid, Fan control,

REL
REVISION
WD23-2FL